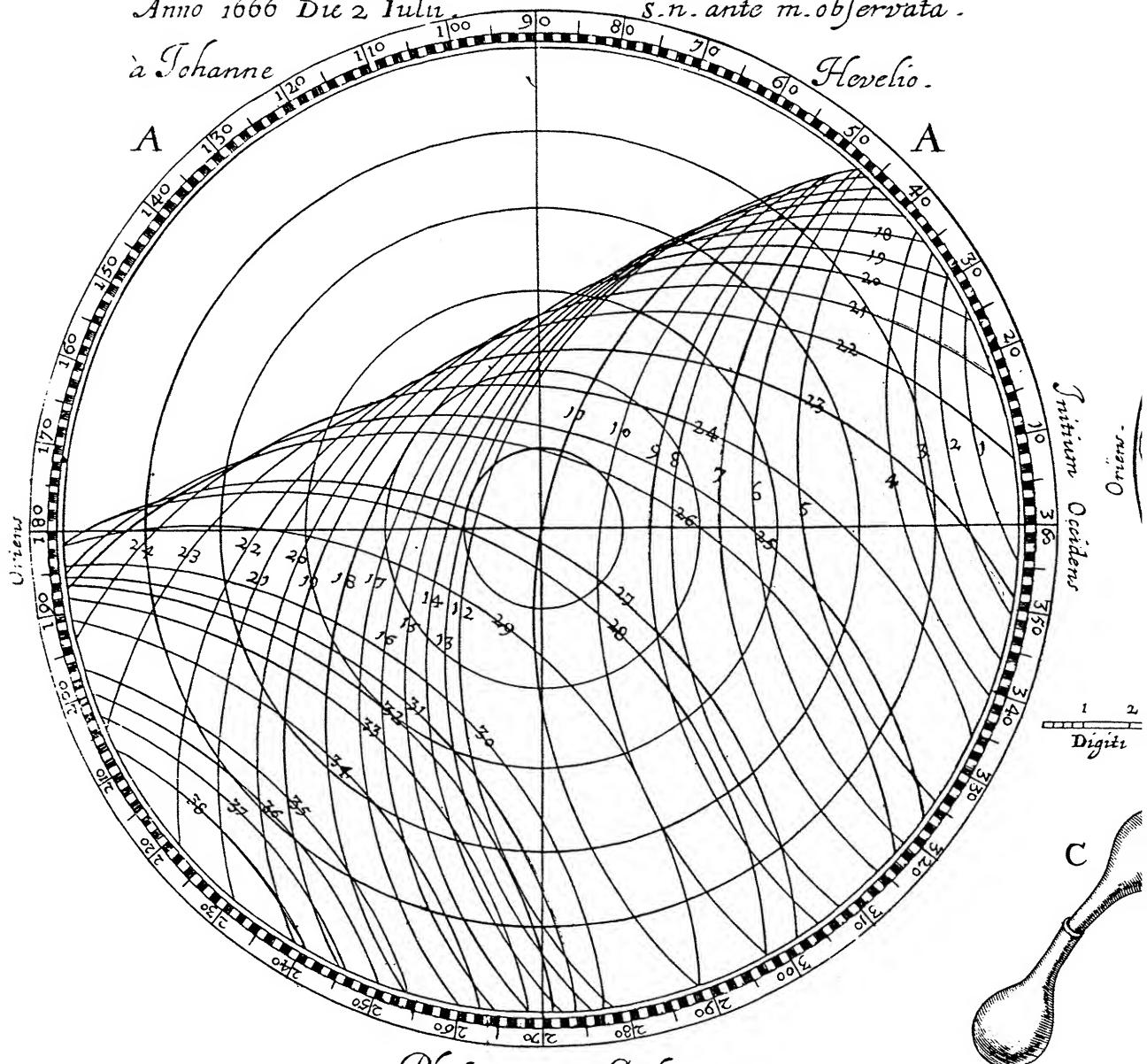


Eclipsis Solaris GEDANI.

Anno 1666 Die 2 Iulii s.n. ante m. observata.

à Johanne

Hevelio.



Phases

Hor. 8 2. H. 7 49. H. 7 41. H. 7 34. H. 7 27. H. 7 21. H. 7 15. ;  
8 Dig. 25 8 D. 7 D. 6 D. 5 D. 4 D. 3 D.

A



Crescentes



Phases

Hor. 9 9 Fins. H. 9 2 1 D. H. 8 57. H. 8 50. H. 8 43. H. 8 36. H. 8 29. 6 D.

A

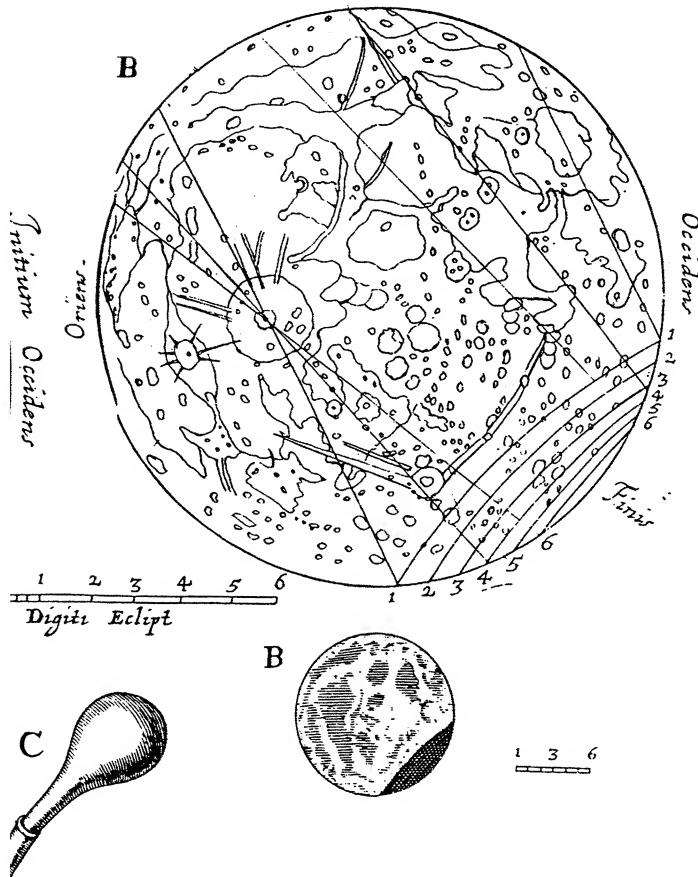


Decrescentes

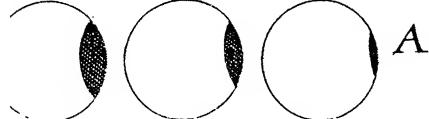


*Eclipsis Lunæ obseruata  
GEDANI.*

*Anno 1666, Die 16 Iunii St. n.  
à Johanne Hevelio.*



7 15'. H. 7 9'. H. 7 3'.  
3 D. 2 D. 1 D.



8 29. H. 8 21. H. 8 14.  
6 D. 7 D. 8 D.



# PHILOSOPHICAL TRANSACTIONS.

Munday, January 21. 1666.

## The Contents.

*An Account, formerly promised, of Monsieur Hevelius's Calculation of the late Solar Eclipse's Quantity, Duration, &c. The Figure of the Star in the Constellation of Cygnus, together with the New Star in it, discovered some years ago, and very lately seen again by the same Mr. Hevelius. An Extract of a Letter, written by Mr. Auzout, concerning a way of his, for taking the Diameters of the Planets, and for knowing the Parallax of the Moon : Giving also a Reason, why in the Solar Eclipse above-mentioned, the Diameter of the Moon did increase about the end. A Relation of the loss of the Way to prepare the Bononian Stone for shining. A Description of a Swedish Stone, affording Sulphur, Vitriol, Allum, and Minium. A Relation of the Raining of Ashes. An Extract of a Letter from Rome, rectifying the Relation of Salamanders living in Fire. An Account of several Engagements for Observing of Tides. Some Suggestions for Remedies against Cold. A Relation of an uncommon Incident in two Aged Persons. An Account of Two Books, I. ISMAELIS BULLIALDI ad Astronomos Monita duo : Primum, de Stella Nova, in Collo Ceti ante aliquot annos visa. Alterum, de Nebulosa Stella in Andromede Cinguli parte Borea, ante biennium itcium vitâ. II. ENTRÉTIENS sur les vies & sur les Ouvrages des plus excellens Peintres, antients & modernes, par M. FELIBIEN.*

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## Monsieur Hevelius's Calculation of the late Solar Eclipse's Quantity, Duration, &c.

**T**HIS *Calculus* was not long since communicated by Monsieur Hevelius in a Letter to the Publisher, as follows,

Ccc

Eclipses

## Eclipsis Solaris.

Observata An. 1666. D. 2. Julii, St. N. Mane, à Johanne Hevelio.

Orcus Pha- num	Quantitas Phaenum.	Temp. æltin ice. horol ambulat.	Temp. ex Sciather.	Altitude ○	tempus. corre&t.	Animadver- tenda.
		H. , "	H. , "	o. ,	H. , "	
		5.51.11	5.51. 0	17.45	5.53.12	
		5.57. 5	5.57. 0	18.37	5.59.28	Quod Sciatericum cum cor- recto tempore non omnino convenit, non-nisi Lineæ Mer- idianæ imputandum.
		6. 0. 0	6. 0. 0	18.55	6. 1.28	
	Initium.	6.55.30			6.57.30	
10	$\frac{3}{4}$ dig.	6.57.30			5.59.30	Initium circa 79 gr: à puncto Zenitib occulsum versus conti- git.
20	$\frac{3}{4}$	7. 0.23	7. 0. 0		7. 2.23	
30	$\frac{1}{4}$	7. 2.30	7. 2. 0		7. 4.30	
40	$\frac{1}{2}$ dig.	7. 4.50	7. 5 ferè.		7. 6.50	
50	$\frac{1}{4}$ ferè.	7.10.57	7.10		7.12.57	
60	$\frac{3}{4}$	7.14.59	7.15		7.16.59	
70	$\frac{3}{4}$	7.17.50	7.18 ferè.		7.19.50	
80	$\frac{3}{8}$ dig.	7.21.35	7.21		7.23.35	
90	$\frac{1}{4}$	7.23.43	7.23 ferè.		7.25.43	
100	$\frac{5}{4}$	7.27.53	7.28		7.29.53	Hujusque Semidiametro Luna equalis extitit solari.
110	6	7.31.50	7.32		7.33.50	
120	$\frac{3}{4}$	7.36.55	7.37		7.38.55	
130	$\frac{7}{8}$ paul. plus.	7.38. 5	7.38		7.40. 0	
140	$\frac{1}{8}$	7.39.45	7.39		7.41.45	
150	$\frac{7}{4}$ paul. plus.	7.42.30	7.42		7.44.30	
160	7	7.44. 6	7.44		7.46. 6	
170	7	7.46. 0	7.46		7.48. 0	
180	8 ferè.	7.48.25	7.48 ferè.		7.50.25	
190	8	7.51.15	7.51		7.53.15	
200	$\frac{1}{4}$ ; a.l. plus.	7.53.37	7.52		7.55.37	
210	$\frac{3}{4}$	7.55.45	7.56 ferè.		7.57.45	
220	$\frac{8}{8}$ paul. min	7.59. 5	7.59		8. 1. 5	Maxima obscuratio extitit ligit. 8.2, nota 8.2'.
230	8	8. 6.30	8. 6		8. 8.30	

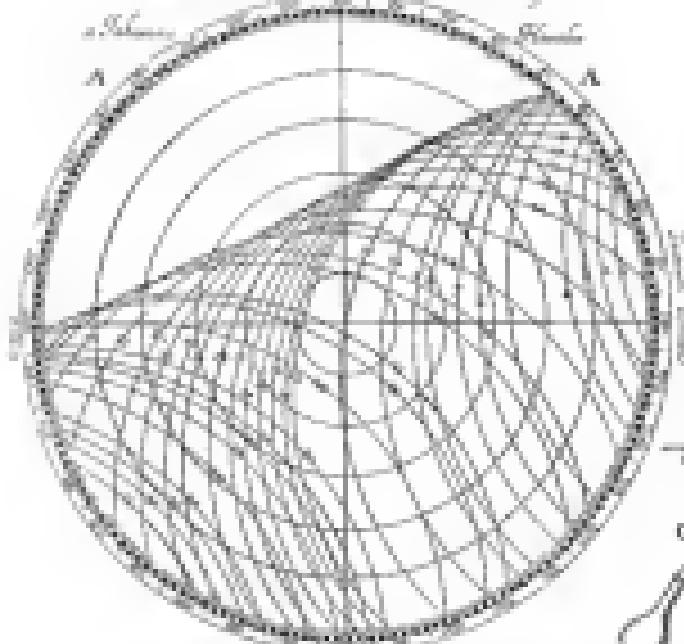
Ordo

Ord. Pha- sium.	Quantitas Platini.	Temp. estim. sec. horol. attulat.	Temp. ex Sciometer.	Altitud. ○	Tempus correc.	<i>Animadvertisenda.</i>
24	$\frac{3}{4}$	H. , "	H. ,	0.	H. , "	
24	$\frac{7}{4}$	8.11.25	8.12		8.13.25	Hic Semidiameter Lune ad
25	$\frac{1}{4}$ ferè.	8.17.30	8.18		8.19.30	<sup>8d vel 9h</sup> major apparuit. *
26	fere.	8.19.41	8.19		8.21.41	* See Numb. 19. of the Philo- sophical Transactions, p. 347.
27	$\frac{7}{8}$	8.28.	8.28		8.30. 8	
28	$\frac{1}{2}$ fere.	8.30.14	8.30		8.32.14	
29	$\frac{3}{4}$	8.36.25	8.36		8.38.25	
30	$\frac{5}{8}$	8.43.19	8.43		8.45.19	
31	$\frac{1}{4}$	8.46.12	8.46 ferè.		8.48.12	
32	3	8.47.32	8.47		8.29.32	
33	$\frac{3}{2}$	8.50.57	8.50		8.2.57	
34	$\frac{1}{2}$ fere.	8.54.15	8.54		8.56.15	
35	$\frac{1}{8}$	8.58.24	8.58		9. 0.24	
36	$\frac{1}{2}$	8.59.35	8.59		9. 1.35	
37	$\frac{5}{6}$	9. 1.38	9. 1		9. 3.38	
38	$\frac{1}{2}$	9. 3.20	9. 3		9. 5.20	
39	<i>Finis.</i>	9. 6.53	9. 6	Altit. ○	9. 8.53	Punctum finis disticit à ver- ticali ad Ortum 143 gr.
		9.23. 6		47.33	9.25.28	
		9.24.16		47.42	9.26.45	
		9.28.39		48.10	9.30.42	
		9.30.36		48.28	9.33.12	

This Observation is by the same Astronomer, represented also by the Figures *AAAAAA*; as that of the Horizontal Eclipse of the Moon, is, by the Figures *BB*.

[Sobre](#) [Notícias](#) [Contato](#)

*and will have been used to make an adjustment.*



*Elgiva lutea* (L.)  
HORNEM.

*John 10:10, Gen 10:1; John 10:10  
in Hebrew Hebrew*



6

10

1

Rice - Grafting

$\text{Hg} + \text{MnO}_2 + \text{H}_2\text{O} \rightarrow \text{Hg}_2\text{O}^+ + \text{H}_2\text{O} + \text{HgO}$

1000 1000 1000 1000 1000 1000 1000 1000



*Open country* 100 100 100

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